**Citrix PVS Export Script - README**

**Overview**

This PowerShell script exports the entire Citrix Provisioning Services (PVS) configuration to XML files, providing a comprehensive backup solution. It exports all configuration areas including farms, sites, collections, devices, vDisks, and more, while creating separate XML files for each configuration area and separate directories for each site.

**Features**

* Exports all PVS configuration areas to XML files
* Creates separate directories for each PVS site
* Exports vDisk version information
* Provides detailed logging with timestamps and severity levels
* Handles errors gracefully with comprehensive error logging

**Requirements**

* Citrix Provisioning Services installed (either console or server components)
* PowerShell 3.0 or higher
* Administrative rights on the PVS server
* Citrix.PVS.SnapIn must be available

**Usage**

1. Save the script as PVSExport.ps1
2. Open PowerShell as Administrator
3. Navigate to the directory containing the script
4. Execute the script:

powershell

.\Export-PVSConfiguration.ps1

**Output**

The script creates a directory named PVSExport\_[timestamp] in the current directory, containing:

* farm.xml - Farm configuration
* farmProperties.xml - Farm properties
* auditTrail.xml - Audit trail configuration
* A log file with detailed export information
* Individual directories for each site containing:
  + site.xml - Site configuration
  + siteProperties.xml - Site properties
  + collections.xml - Collections configuration
  + stores.xml - Stores configuration
  + servers.xml - Servers configuration
  + authGroups.xml - Authentication groups
  + Devices/ - Directory containing XML files for each collection's devices
  + vDisks/ - Directory containing XML files for vDisks and their versions

**Important Notes**

1. This script only exports configuration data, not the actual vDisk image files. These should be backed up separately using standard file system backup procedures.
2. The script must be run on a machine with the PVS console or server components installed.
3. The user running the script must have administrative permissions in the PVS environment.

**Logs**

The script creates a detailed log file in the export directory named PVSExport\_[date].log. This log file contains information about:

* Export operations
* Number of objects exported
* Any errors or warnings encountered during the export process

**Example**

powershell

PS C:\Scripts> .\Export-PVSConfiguration.ps1

[2025-04-14 10:15:22] [INFO] PVS Export started. Export directory: C:\Scripts\PVSExport\_20250414\_101522

[2025-04-14 10:15:23] [INFO] Added Citrix.PVS.SnapIn

[2025-04-14 10:15:24] [INFO] Successfully connected to PVS

[2025-04-14 10:15:25] [INFO] Found 2 PVS site(s)

[2025-04-14 10:15:26] [INFO] Processing site: Site1

...

[2025-04-14 10:18:45] [INFO] PVS Export completed successfully

**Troubleshooting**

* If the script fails with a "SnapIn not registered" error, ensure the PVS console is installed properly.
* If you receive access denied errors, ensure you're running PowerShell as Administrator and have proper PVS permissions.
* Check the log file for detailed error information if the script fails.